Chathura Abeygunawardhana

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Education

University of Moratuwa — Moratuwa, Sri Lanka
Bachelor of Science Honours in Information Technology — *2022 – 2026*

- GPA : 3.71
- Dean's List: 3/8 semesters

IJSE Institute of Software Engineering — Sri Lanka
Comprehensive Master in Java Development — *Completed 2022*

Richmond College — Galle, Sri Lanka
GCE Advanced Level - Physical Science Stream — *AAB*

Experience

Trainee Software Engineer — May 2025 – September 2025
WireApps Ltd — *6 months*

Software Engineer - Intern — October 2024 – April 2025
WireApps Ltd — *6 months*

Projects

Automated CI/CD Pipeline for Containerized Application | *Docker, GitHub Actions, AWS, Python*

- Built an end-to-end CI/CD pipeline using GitHub Actions to test and deploy a containerized Flask application to AWS Elastic Beanstalk
- Containerized the application using Docker and implemented automated testing, health checks, and IAM-based deployment with rollback support
- GitHub

Cloud Infrastructure Automation with IaC | *Terraform, Ansible, AWS*

- Provisioned AWS infrastructure using Terraform to deploy EC2 instances, security groups, and networking components
- Automated server configuration with Ansible to install and configure Nginx, applying IaC principles with modular deployment and secure SSH key management
- GitHub

Kubernetes Monitoring & Orchestration Platform | *Kubernetes, Prometheus, Grafana, Helm*

- Deployed a highly available application on Kubernetes with replica scaling, health checks, and automatic pod recovery
- Integrated Prometheus and Grafana for real-time monitoring and alerting, with Helm charts for streamlined cluster management
- GitHub

DevSecOps - Secure Container Scanning Pipeline | *Jenkins, Trivy, Docker, AWS EC2*

- Self-hosted Jenkins CI server on AWS EC2 using Docker with socket mounting for container-native build and scan workflows
- Integrated Trivy into a multi-stage Jenkinsfile pipeline with a hard deployment block on high and critical CVEs, and demonstrated a full vulnerability lifecycle across git commits
- GitHub

Technical Skills

Cloud Platforms: AWS (EC2, EKS, Lambda, S3, VPC, CloudWatch), GCP

Container & Orchestration: Docker, Kubernetes, ArgoCD

CI/CD Tools: Jenkins, GitHub Actions

Infrastructure as Code: Terraform, Ansible, Pulumi

Monitoring & Logging: Prometheus, Grafana, CloudWatch

Scripting Languages: Python, Bash

Version Control: Git

Databases: PostgreSQL, MySQL, MongoDB

Security Tools: SonarQube

Other Tools: Nginx, Apache, Redis

Methodologies: Agile, Scrum, GitOps

Competitions & Achievements

Duothan 2024 - 1st Place: Inter-University Web Development Hackathon (NSBM)

CoderRush 2023 - 1st Place: Intra-faculty Ideathon and Hackathon (University of Moratuwa)

FestX 4.0 Hackathon - 2nd Place: Individual Algorithmic Programming (IEEE WIE, UoM)

CodeRally 4.0 - 2nd Runner Up: Algorithmic Programming (IEEE CS of IIT)

CoderRush 2022 - 4th Place: HackerRank Competition (Group)

Codefest 2022 - Top 10 Finalist: 24-hour Hackathon Finals (SLIIT)

Codefest 2022 Algothon - Top 10 Finalist: Algorithmic Programming (SLIIT)

Aces Coders V10.0 - 13th Position: Hackathon (University of Peradeniya)

Techno Hackathon - 16th Place: Group Hackathon (IESL Student Chapter, UoM)

Volunteering & Leadership

SLRMUN 2023 Conference - Co-chair of the Project & Under Secretary General of Administration (Rotaract Club, University of Moratuwa)

Project AYA - Video Editor & Prompt Generator: Multilingual AI Model Initiative (Rotaract Club, University of Moratuwa)

Rotaract Club - Active Member (University of Moratuwa)

Certificates

Introduction to Linux LFS101 - The Linux Foundation - Verify

Docker Level 1 - KodeKloud - Verify

Postman API Fundamentals Student Expert - Verify

Oracle Cloud Infrastructure 2025 Certified Data Science Professional - Verify